Welcome to WAC Week

Upcoming Workshops

- **Engaging Students through Multimodal Writing Assignments**
  Tuesday, November 7th | 2:00 to 3:00pm

- **Linguistic Justice in Writing Across the Curriculum**
  Wednesday, November 8th | 9:00 to 10:00am

- **Responding to Student Writing Effectively and Efficiently**
  Wednesday, November 8th | 3:00 to 4:00pm

- **Using Writing to Support Learning, Critical Thinking, and Inclusion at an Emerging HSI**
  Thursday, November 9th | 2:00 to 3:00pm | Zoom and In Person

- **Using Generative AI to Enhance Student Engagement with Course Content**
  Friday, November 10th | 10:00 to 11:00pm

Learn more at writingcenter.colostate.edu/wac.
Welcome to WAC Week

Small Grant Applications

**Goal:** Develop one or more writing activities or assignments

**Support:**
- Consultation with an experienced writing instructor
- Materials development
- Outcomes assessment appropriate for demonstration of teaching effectiveness

Learn more at writingcenter.colostate.edu/wac/grants.
Using Writing to Foster Learning, Engagement, and Critical Thinking

Mike Palmquist
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A Quick Overview

• An overview of Writing Across the Curriculum
• Exploring connections between critical thinking and WAC
• Exploring the design options for writing assignments that achieve course goals
Starting Points

- The Writing Across the Curriculum Movement in the United States (now in its sixth decade).
- Characterized by David R. Russell as among the most successful higher education reform movements in the United States.
- Identified among the first high-impact practices, under the phrase “writing-intensive courses,” that had been shown to contribute to student learning and success (Kuh, 2008).
Traditional Reasons to Use WAC

To help students learn

To improve communication skills

To prepare students for careers and civic life
Additional Reasons to Use WAC

- To engage students more deeply in course concepts and processes
- To help students gain control of disciplinary analytical frameworks
- To prepare students for progressively greater challenges as they move through their academic careers (i.e., enhance student success)
- To help students develop critical thinking skills
Approaches to WAC

- WAC scholars have focused on two general approaches:
  - Writing to Learn
  - Writing in the Disciplines
- In the mid-2000s, when we began to explore the connections between WAC and critical thinking at TILT, this seemed insufficient.
- I proposed a third way: Writing to Engage (see https://doi.org/10.37514/WAC-J.2020.31.1.01).
Three Approaches to WAC

- Writing to Learn
- Writing to Engage
- Writing in the Disciplines
Writing to Learn

**Definition:** Using writing to help students remember, understand, and reflect on course concepts, conceptual frameworks, skills, and processes.

*Useful for helping students remember and understand* course content (as opposed to cramming for exams)
Writing to Learn

Best Characterized as Low-Stakes Writing:

• The focus is on content; recognizing that students often struggle with new ideas, little or no attention is given to form.

• Limited feedback, if any, is provided by the instructor.
Writing to Learn

Some Typical Activities:
• In-Class Responses to Prompts
• Reflections
• Summary/Response
• Forum Discussions
• Definitions and Descriptions
Definition: Writing in the Disciplines (also referred to as writing to communicate). Using writing to help students learn how to contribute to discourse within a discipline or profession.

Useful for preparing students to participate fully in their careers and in civic life. Writing-in-the-disciplines activities often familiarize students with writing and design conventions typical of a given discipline or profession.
Writing in the Disciplines

Sometimes viewed in opposition to Writing to Learn (WAC and WID, for example).
Writing in the Disciplines

Best characterized as “high-stakes” writing

- A greater investment of instructor time is required for designing and responding to student writing.
- There is greater potential for student academic misconduct, especially among students who lack confidence in producing original work.
Writing in the Disciplines

Typical activities include:
- Articles and essays
- Presentations
- Conference proposals
- Longer reports
- Poster sessions
My Felt Difficulty

- Writing to Learn and Writing in the Disciplines seemed distant from one another.
- In some programs, they were characterized as entirely different things, with one seen as “WAC” and the other as something other than WAC.
- In my work with faculty while I was at TILT, I saw a need to focus on higher-level critical thinking (but not always at the highest level).
My Response

I began to explore connections between critical thinking and WAC.
Critical Thinking Frameworks

Bloom’s Taxonomy (Modified)
  • Benjamin Bloom, modified by Lorin Anderson et al.

Developmental Frameworks
  • Piaget (Cognitive)
  • Vygotsky (Activity Theory, Zone of Proximal Development)
  • King and Kitchener (Reflective Judgment Model)
  • Perry Scheme (Epistemological Growth)

Higher Order Thinking Skills
  • Various, and often derivative of Bloom
Bloom’s Taxonomy (Revised)

Bloom’s Taxonomy (Modified Again)

- Remembering
- Understanding
- Reflecting
- Applying
- Analyzing
- Evaluating
- Creating
Mapping WAC to Bloom

Remembering  Understanding  Reflecting  Applying  Analyzing  Evaluating  Creating

Writing to Learn

What’s Missing?

Writing in the Disciplines
Writing to Engage

• Using writing activities and assignments in ways that encourage students to go beyond remembering and understanding—without requiring them to start writing like members of their chosen disciplines or professions.

• Essentially, a middle ground between writing to learn and writing in the disciplines.
Writing to Engage

**Definition:** Using writing to help students assess and work with course concepts, conceptual frameworks, skills, and processes.

**Useful for strengthening student understanding and application** of key disciplinary concepts and processes.
Writing to Engage

Writing to engage activities and assignments

• Are less likely to resemble formal, discipline-based writing, but they can center students’ attention on issues that are central to the discipline.

• Could work well in a second-year or third-year course. They might also be used in a course offered toward the end of a student’s first year.

• Can play a role in staged writing assignments. For example, they might lay a foundation for work on a senior design project in engineering.
Writing to Engage

Can be characterized as either “low-stakes” or “high-stakes” writing, or it might fall somewhere between the two.
Writing to Engage

**Writing to engage assignments can:**

- Build on writing-to-learn activities and assignments
- Support a higher level of engagement than writing-to-learn activities and assignments
- Focus on reflecting, applying, and analyzing and might include some attention to evaluating
- I tend to think of it as work that supports the synthesis of existing information and ideas and, equally important, the creation of new knowledge and insights.
Writing to Engage

Typical activities include:

• Reflections, critiques, and comparisons

• Application of frameworks to texts, media, and cases

• Topic proposals, progress reports, and other brief reports

• Evaluations of alternative approaches and methods
Remapping WAC to Critical Thinking

Writing to Learn

Writing to Engage

Writing in the Disciplines

Remembering  Understanding  Reflecting  Applying  Analyzing  Evaluating  Creating
Example Assignments

**Remembering (in class):** Jot down the three most important ideas from today’s reading. Be prepared to share them during discussion.
Example Assignments

**Remembering (before class):** Identify the most important information in the reading assignment. In two or three sentences, explain why each one is important. Bring your assignment to class and be prepared to share your conclusions with your classmates.
Example Assignments

Understanding (in class): What surprised or confused you about today’s reading? In two or three sentences, explain why you made your choice. In a group of two or three classmates, share your explanation.
Example Assignments

Understanding (before class): In four or five sentences, summarize today’s reading. Then, in four or five sentences, explain why you focused on the information you included in your summary.
Example Assignments

**Reflecting:** In four or five sentences, identify the most important information and ideas in today’s reading. Then write a brief response to one of those ideas. Indicate what you found most useful, surprising, confusing, or disturbing about the idea.
Example Assignments

**Reflecting.** Reflect on efforts to address climate change. Do you believe that people—individually and as a group—will accept the inconveniences and sacrifices associated with the shift to new technologies? Why or why not?
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Example Assignments

**Applying.** Respond to [a recent editorial or news report] by applying one of the theories of [pick an area] we’ve been exploring in class. Explain why you did not pick one of the other theoretical frameworks we’ve been studying.
**Analyzing.** We’ve been examining the impact of recent legislation regarding legalization of marijuana for recreational use in several states in the US. Analyze the factors that have contributed to the passage of legislation and statewide referenda legalizing recreational use. What does your analysis indicate are the most common rationales for legalization? Which of these rationales do you find weakest? Why?
Assignments

Applying and Analyzing. We’ve been studying group formation through the lenses of propinquity theory and exchange theory. Read Tarricone and Lucas’ 2002 article, “Successful teamwork: A case study,” and then use one of these theories to explain why the successful group was able to complete its project. Explain why you did not choose the other theory.
Evaluating. We’ve been exploring two promising battery technologies. If you had to choose one but not both technologies, which criteria would you use to inform your evaluation? Which technology comes out ahead when you apply your criteria? Which criteria did you consider but ultimately decide not to include? Why did you exclude those criteria?
Evaluating. You’ve been collecting information for a senior design project. Write a brief article that discusses the current state of knowledge relevant to your project. In your introduction, define the problem and explain why it needs to be addressed. Then identify and briefly discuss the key approaches that might be used to address the problem. Then identify the most promising approach and explain why it is superior to other approaches. Cite your sources within the text and in a references list.
A Foundation for Using Writing in a Course

1. Understand the range of writing to learn, writing to engage, and writing in the disciplines activities that can support your course goals.

2. Choose writing activities or assignments that support the critical thinking needs of the course and discipline/profession.

3. Design writing activities and assignments that are compatible with the time you can devote to responding to students.
Reaction
Comments
Discussion

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Visit WAC@CSU at
https://writingcenter.colostate.edu/WAC


